

9904247_4.Dn AAAAGTTCAAATCAAAGAAACATACAAAACACTACGTTTATATCAATTACAT

|||||

Scyol1110w AAAAGTTCAAATCAAAGAAACATACAAAACACTACGTTTATATCAATTAAATA
1360 1370 1380 1390 1400

9904247_4.Dna

Emfun:SCchrXV44

ID SCCHRXV44 standard; DNA; FUN; 44019 BP.

AC Z48149;

SV Z48149.1

DT 03-FEB-1995 (Rel. 42, Created)

DT 24-MAR-1997 (Rel. 51, Last updated, Version 7)

DE S.cerevisiae chromosome XV DNA (44 kb fragment)

KW retrotransposon; sufl(+) frameshift suppressor; tRNA-Gly; tRNA-Thr; Tyl-H3.

OS Saccharomyces cerevisiae (baker's yeast)

OC Eukaryota; Fungi; Ascomycota; Saccharomycetes; Saccharomycetales;

OC Saccharomycetaceae; Saccharomyces.

RN [1]

RP 1-44019

RX MEDLINE; 96076631.

RA Vandenbol M., Durand P., Portetelle D., Hilger F.;

RT "Sequence analysis of a 44 kb DNA fragment of yeast chromosome XV including

RT the Tyl-H3 retrotransposon, the sufl(+) frameshift suppressor gene for

RT tRNA-Gly, the yeast transfer RNA-Thr-1a and a delta element.";

RL Yeast 11:1069-1075(1995).

RN [2]

RP 1-44019

RA Hilger F.;

RT ;

RL Submitted (31-JAN-1995) to the EMBL/GenBank/DBJ databases.

RL Hilger F., Faculte des Sciences Agronomiques de Gembloux, UER de

RL Microbiologie, Avenue Marechal Juin, 6, 5030 Gembloux, Belgium

RN [3]

RP 1-44019

RA John T.R., Ghosh M., Johnson J.D.;

RT "Identification and expression of the Saccharomyces cerevisiae cytoplasmic

RT tryptophanyl-tRNA synthetase gene";

RL Yeast 13:37-41(1997).

DR SPTREMBL; Q05377; Q05377.

DR SPTREMBL; Q05378; Q05378.

DR SPTREMBL; Q05379; Q05379.

DR SPTREMBL; Q12215; Q12215.

DR SPTREMBL; Q12239; Q12239.

DR SPTREMBL; Q12272; Q12272.

DR SPTREMBL; Q12285; Q12285.

DR SPTREMBL; Q12317; Q12317.

DR SPTREMBL; Q12348; Q12348.

DR SPTREMBL; Q12366; Q12366.

DR SPTREMBL; Q99393; Q99393.

DR SWISS-PROT; P13902; INO4_YEAST.

DR SWISS-PROT; P22148; MSN1_YEAST.

DR SWISS-PROT; P27680; COQ3_YEAST.

DR SWISS-PROT; P30606; ITR2_YEAST.

DR SWISS-PROT; P41912; SHR5_YEAST.

DR SWISS-PROT; P53632; TRF4_YEAST.

DR SWISS-PROT; Q12109; SYWC_YEAST.

DR SWISS-PROT; Q12236; KOKO_YEAST. . . .

SCORES Init1: 2485 Initn: 2485 Opt: 2485 z-score: 1959.1 E(): 0
 100.0% identity in 497 bp overlap

10

20

30

9904247_4.Dn

GGAGGTCTGCTTCACGAGCGCGGTGTGCGC

ScchrXv44 GAGCAGTACGTGGCGCAGCTAAACTCGCCGGGAGGTCTGCTTCACGAGCGCGGTGTGCGC
12850 12860 12870 12880 12890 12900

9904247_4.Dn CTAGTATTGCCCCGACGGTCCGGGTGCCTATCCCTAGATTTTCGTGCGTCCCCGACCCAAA
40 50 60 70 80 90
ScchrXv44 CTAGTATTGCCCCGACGGTCCGGGTGCCTATCCCTAGATTTTCGTGCGTCCCCGACCCAAA
12910 12920 12930 12940 12950 12960

9904247_4.Dn TAGTTAAACGTGTGGTTTATGGGTGCACCCAGGGCTTTATCGTGTTTTATATCGATGGCGA
100 110 120 130 140 150
ScchrXv44 TAGTTAAACGTGTGGTTTATGGGTGCACCCAGGGCTTTATCGTGTTTTATATCGATGGCGA
12970 12980 12990 13000 13010 13020

9904247_4.Dn TTTGTGCCTCCAGTGTATTTTTGTATATCCAATTAAGGTTTCTTACCTAATTTTATTTTT
160 170 180 190 200 210
ScchrXv44 TTTGTGCCTCCAGTGTATTTTTGTATATCCAATTAAGGTTTCTTACCTAATTTTATTTTT
13030 13040 13050 13060 13070 13080

9904247_4.Dn ATCATCTTTAGTTAATGCTGGTTTGCTCTGTTTCTGCTGCTTTCTGTGCGGTTCTCCTCT
220 230 240 250 260 270
ScchrXv44 ATCATCTTTAGTTAATGCTGGTTTGCTCTGTTTCTGCTGCTTTCTGTGCGGTTCTCCTCT
13090 13100 13110 13120 13130 13140

9904247_4.Dn TCTCTTGTCTTCTTCGTGTTGTCCCCATCGCCGATGGGCTTATATGGCGTATATATATAG
280 290 300 310 320 330
ScchrXv44 TCTCTTGTCTTCTTCGTGTTGTCCCCATCGCCGATGGGCTTATATGGCGTATATATATAG
13150 13160 13170 13180 13190 13200

9904247_4.Dn AGCGAGTTTTTACGTCGAAGATCATCTCAGTTTGCTTGATAGCCTTTCTACTTTATTACT
340 350 360 370 380 390
ScchrXv44 AGCGAGTTTTTACGTCGAAGATCATCTCAGTTTGCTTGATAGCCTTTCTACTTTATTACT
13210 13220 13230 13240 13250 13260

9904247_4.Dn TTCGTTTTTAACTCATTATACTTTAGTTTTCTTTGATCGGTTTTTTTCTCTGTATACTT
400 410 420 430 440 450
ScchrXv44 TTCGTTTTTAACTCATTATACTTTAGTTTTCTTTGATCGGTTTTTTTCTCTGTATACTT
13270 13280 13290 13300 13310 13320

9904247_4.Dn AAAAGTTCAAATCAAAGAAACATACAAAACACTACGTTTATATCAATTACAT
460 470 480 490 500
ScchrXv44 AAAAGTTCAAATCAAAGAAACATACAAAACACTACGTTTATATCAATTAAATAATGTCTGAAA
13330 13340 13350 13360 13370 13380

ScchrXv44 TTCAAAACAAAGCTGAAACTGCCGCCCAAGATGTCCAACAAAAGTTGGAAGAAACCAAAG
13390 13400 13410 13420 13430 13440

9904247_4.Dna /rev
Emgss9:Aq875364

ID AQ875364 standard; DNA; GSS; 470 BP.
AC AQ875364;
SV AQ875364.1
DT 09-NOV-1999 (Rel. 61, Created)
DT 09-NOV-1999 (Rel. 61, Last updated, Version 1)